



**US Army Corps
of Engineers**
Jacksonville District

PRESENTATION

SOUTHWEST FLORIDA

ENVIRONMENTAL IMPACT STATEMENT

by

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U.S. ARMY CORPS OF ENGINEERS



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CORPS' PERSPECTIVE

✓ RAPID GROWTH.

✓ RECURRING PERMIT REVIEW ISSUES:

**✓ LOSS OF SPATIAL HABITAT
(ENDANGERED SPECIES);**

✓ CHANGES IN WATER FLOW & QUALITY;

✓ APPROPRIATE WETLAND MITIGATION.

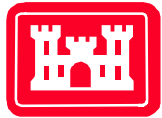
**✓ IS INCREMENTAL PERMIT-BY-PERMIT
REVIEW ON THESE ISSUES ADDRESSING
CUMULATIVE AND SECONDARY IMPACTS?**



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OPTIONS CONSIDERED

- ✓ **WHITE PAPER**
 - ✓ **CONTINUE AS-IS**
 - ✓ **CARRYING CAPACITY STUDY**
 - ✓ **EIS ON AN APPLICATION**
 - ✓ **PROGRAMMATIC EIS**
 - ✓ **GOVERNOR'S COMMISSION**
- ✓ **DRAFT MOU LEE AND COLLIER COUNTIES**
 - ✓ **NOT SIGNED**
 - ✓ **COUNTY PROVIDE STAFF SUPPORT**



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SOUTHWEST FLORIDA THEATER OF OPERATIONS



WE SHALL WADE THROUGH THIS TOGETHER !



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PUBLIC SCOPING

- ✓ **NOTICES DATED JANUARY 12, 1998**
 - ✓ **FEDERAL REGISTER**
 - ✓ **PUBLIC NOTICE**

- ✓ **PUBLIC MEETINGS FEBRUARY 9, 1998**
 - ✓ **200+ PARTICIPANTS 60 SPEAKERS**
 - ✓ **SUPPORTIVE OF EIS PROCESS**

- ✓ **COMMENTS RECEIVED ON GEOGRAPHIC AREA, ISSUES, AND PROCESS**



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KEY ISSUES

**WATER
FLOWS &
QUALITY**

MITIGATION

**SUSTAINABLE
ECONOMIC
DEVELOPMENT**

**HABITAT /
ENDANGERED
SPECIES**

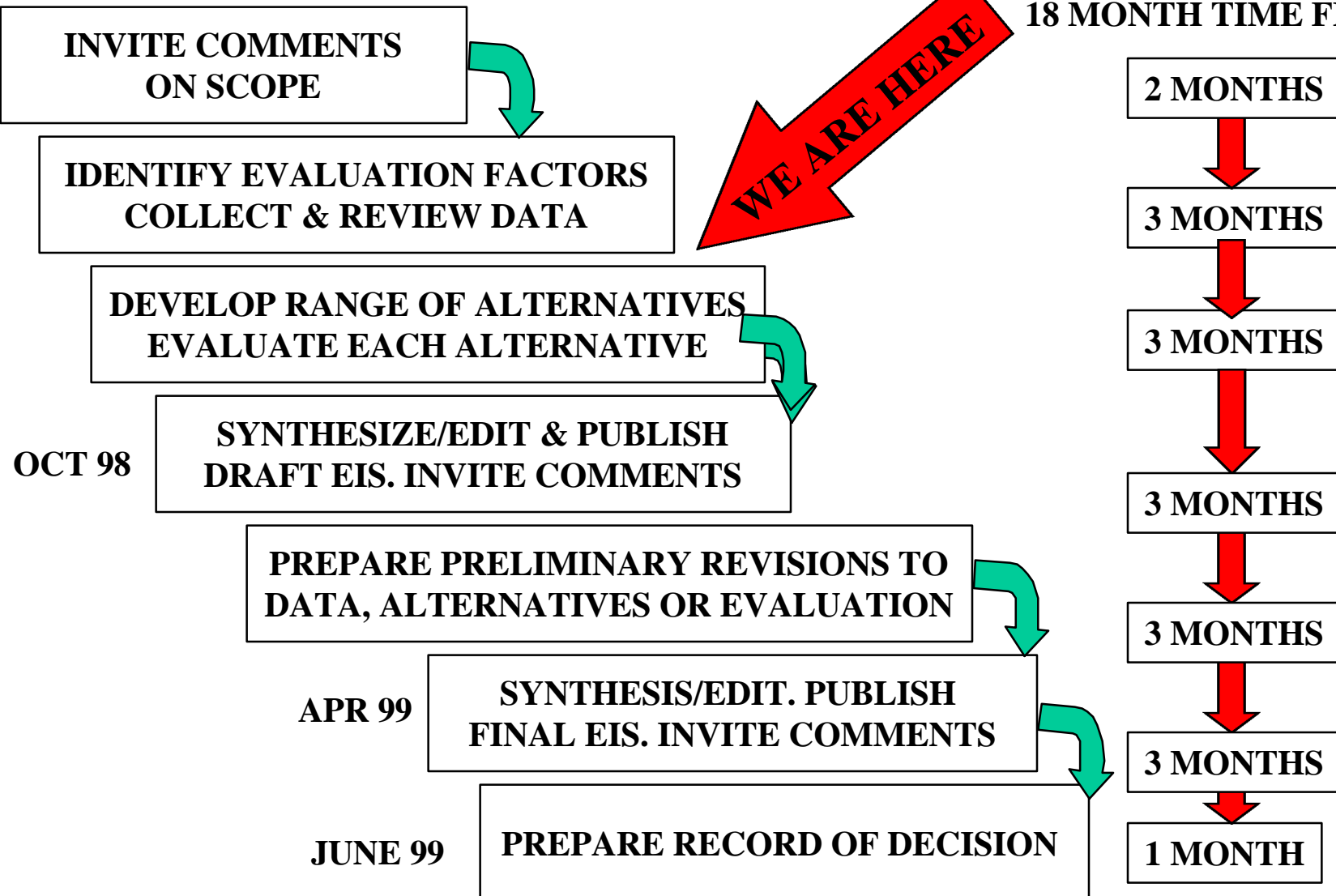
WETLANDS



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EIS PROCESS

18 MONTH TIME FRAME





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ALTERNATIVES DEVELOPMENT GROUP

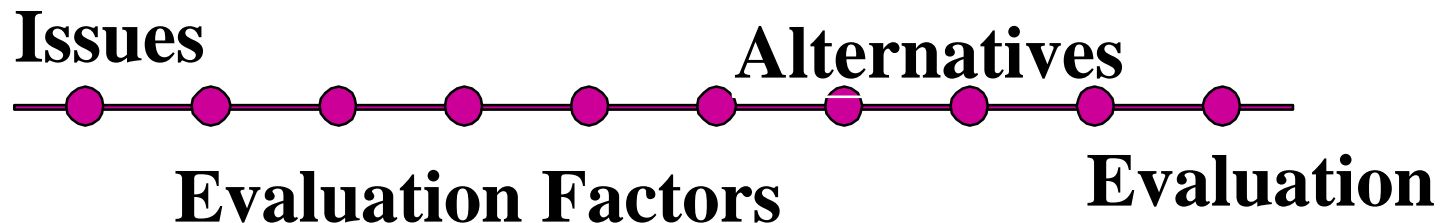
- ✓ **31 MEMBERS + ALTERNATES**
 - ✓ **BALANCED VIEWS & EXPERTISE**
 - ✓ **CITIZEN GROUPS, LANDOWNERS, DEVELOPERS, ENVIRONMENTAL, AND GOVERNMENT AGENCIES TALKING**
 - ✓ **TEN MEETINGS - EACH TWO DAYS**
- ✓ **DEVELOP AND EVALUATE ALTERNATIVES**
 - ✓ **BEST AVAILABLE INFORMATION**
 - ✓ **FACILITATED CONSENSUS PROCESS**



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ADG STEPS

- ✓ **ONE MEETING BUILDS ON PREVIOUS**
- ✓ **DEFINE ISSUES**
- ✓ **DEVELOP EVALUATION FACTORS**
- ✓ **PREPARE ALTERNATIVES**
- ✓ **PERFORM EVALUATION**
- ✓ **ALSO BUILD WORKING RELATIONSHIPS**
- ✓ **INFORMATION PRESENTATIONS**





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ADG DEFINED 12 ISSUES

- **Property rights**
- **Ecosystem function, wildlife habitat, and listed species**
- **Regulatory efficiency and effectiveness**
- **Local land use policy**
- **Cumulative/secondary impacts**
- **Avoidance of wetland impacts**
- **Water management**
- **Water quality**
- **Economic sustainability**
- **Mitigation**
- **Restoration/retrofit**
- **Public lands management/use**



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EVALUATION FACTORS

- ✓ **MULTIPLE FACTORS FOR EACH ISSUE**
- ✓ **62 FACTORS IN TOTAL**
- ✓ **IDENTIFIED MEASUREMENT TYPE, UNITS, AND DATA FOR EACH FACTOR**
- ✓ **COULD SPEND 2 YEARS STUDYING EACH!**

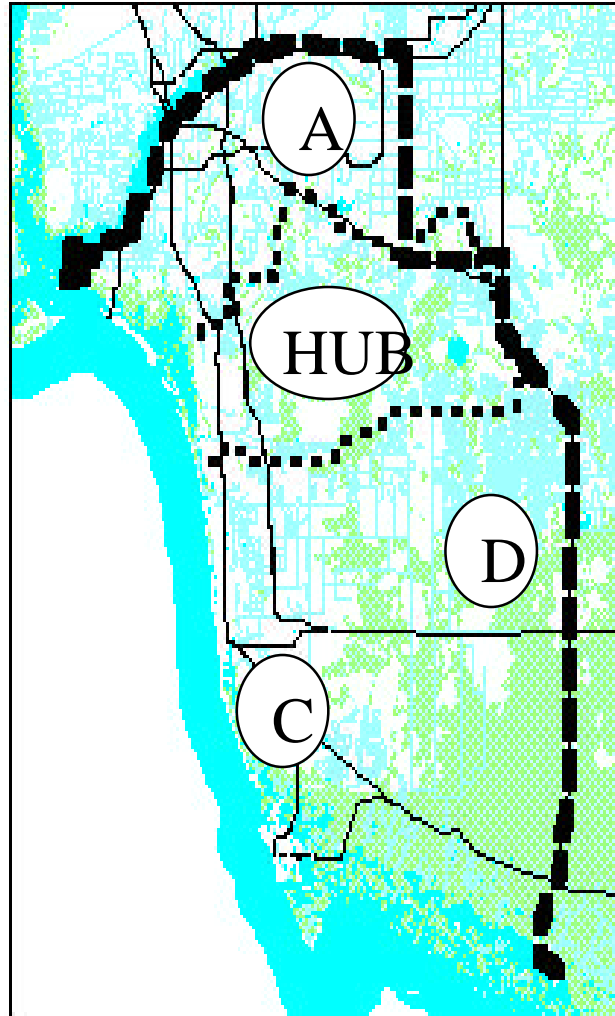
	Factor 1	Factor 2	Factor 3
Measurement			
Units			
Data Source			
Notes			



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ZOOMS

- ✓ SUBDIVIDED STUDY AREA
- ✓ FOUR ZOOMS
- ✓ WORKED IN HUB FIRST





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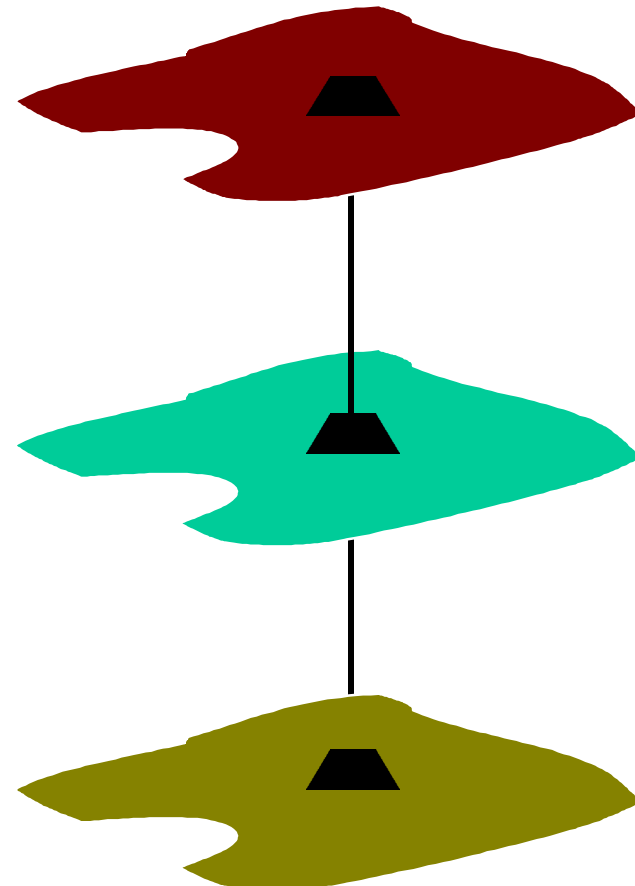
GIS ASSISTANCE

✓ **SOME FACTORS
COULD BE ASSISTED
BY GEOGRAPHIC
INFORMATION (GIS)**

✓ **OVERLAY
ALTERNATIVE
MAP OVER DATA
SOURCE MAP**

✓ **USED IN
SUBSEQUENT
ANALYSIS**

✓ **SOME FACTORS
NOT GIS APPLICABLE**

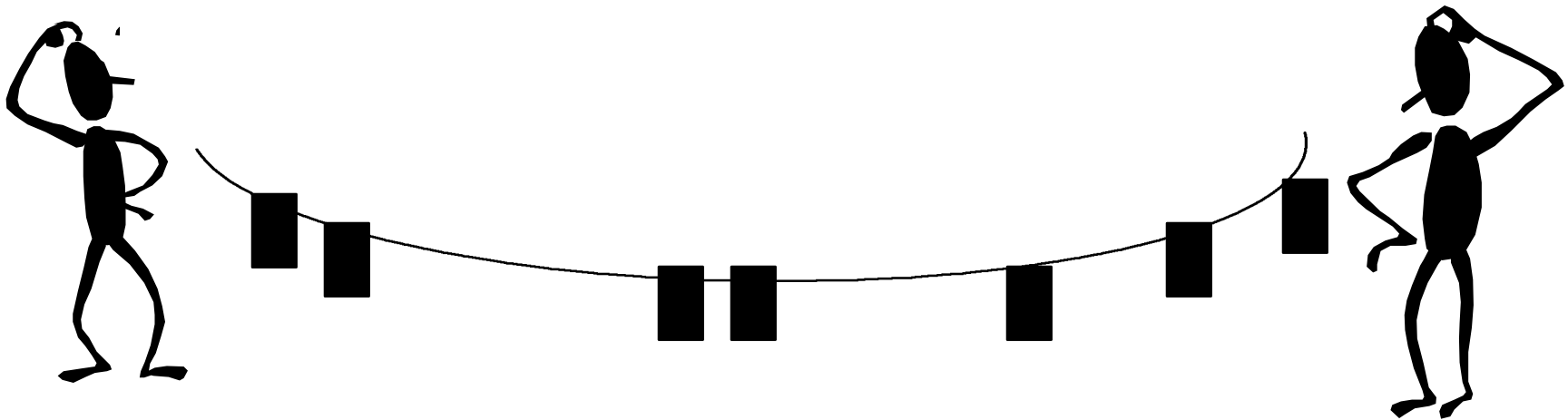




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EXPECTED RESULTS

- ✓ **FOUR ZOOMS: 27 ALTERNATIVES TOTAL**
- ✓ **COMPARED ALTERNATIVES TO EACH OTHER FOR EACH ISSUE**
- ✓ **SOME ALTERNATIVES HIGH IN ONE ISSUE BUT LOW IN OTHER ISSUES**

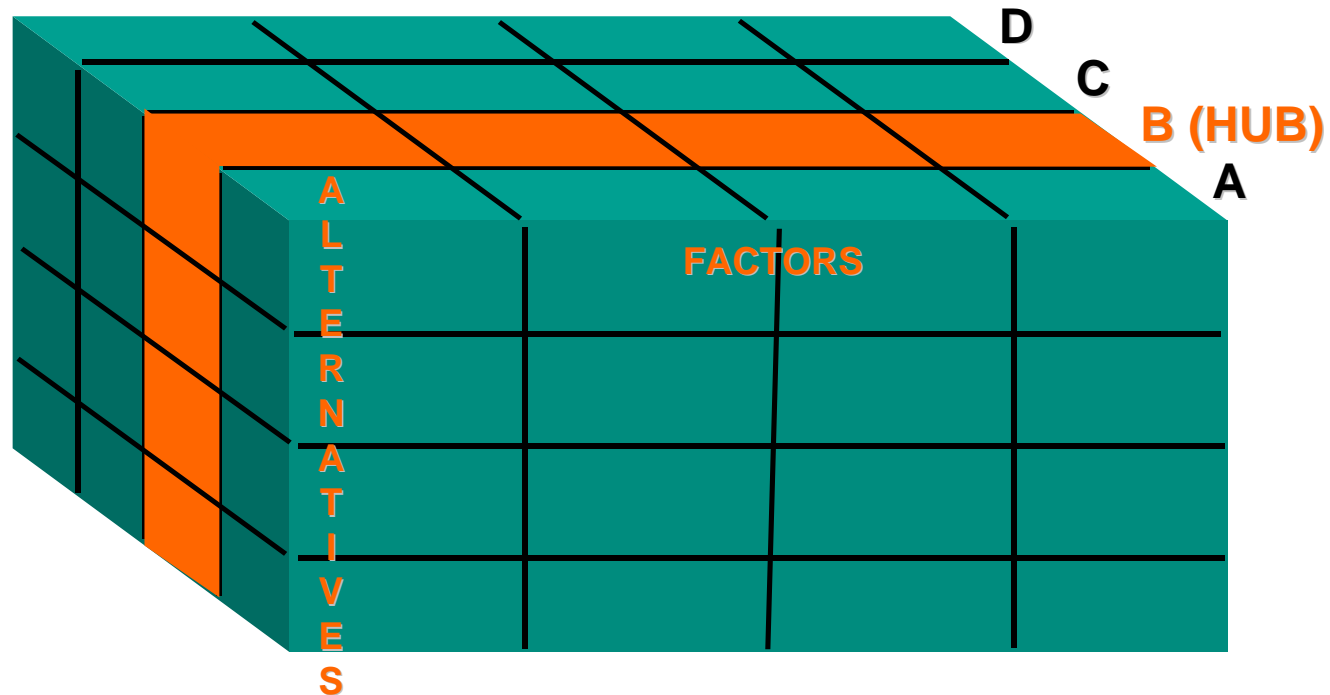




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EVALUATION MATRIX

- ✓ ASSEMBLE ZOOMS INTO TOTAL PICTURE
- ✓ LOT OF INFORMATION!





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ADG REPORT

PROCESS

ISSUES DEFINED

EVALUATION FACTORS

ALTERNATIVES CREATED

HOW ISSUES AFFECTED

IDENTIFY THEMES

**“GHOST” WRITERS
DESCRIBING:**

✓ **WHAT DID**

✓ **ANALYSIS**

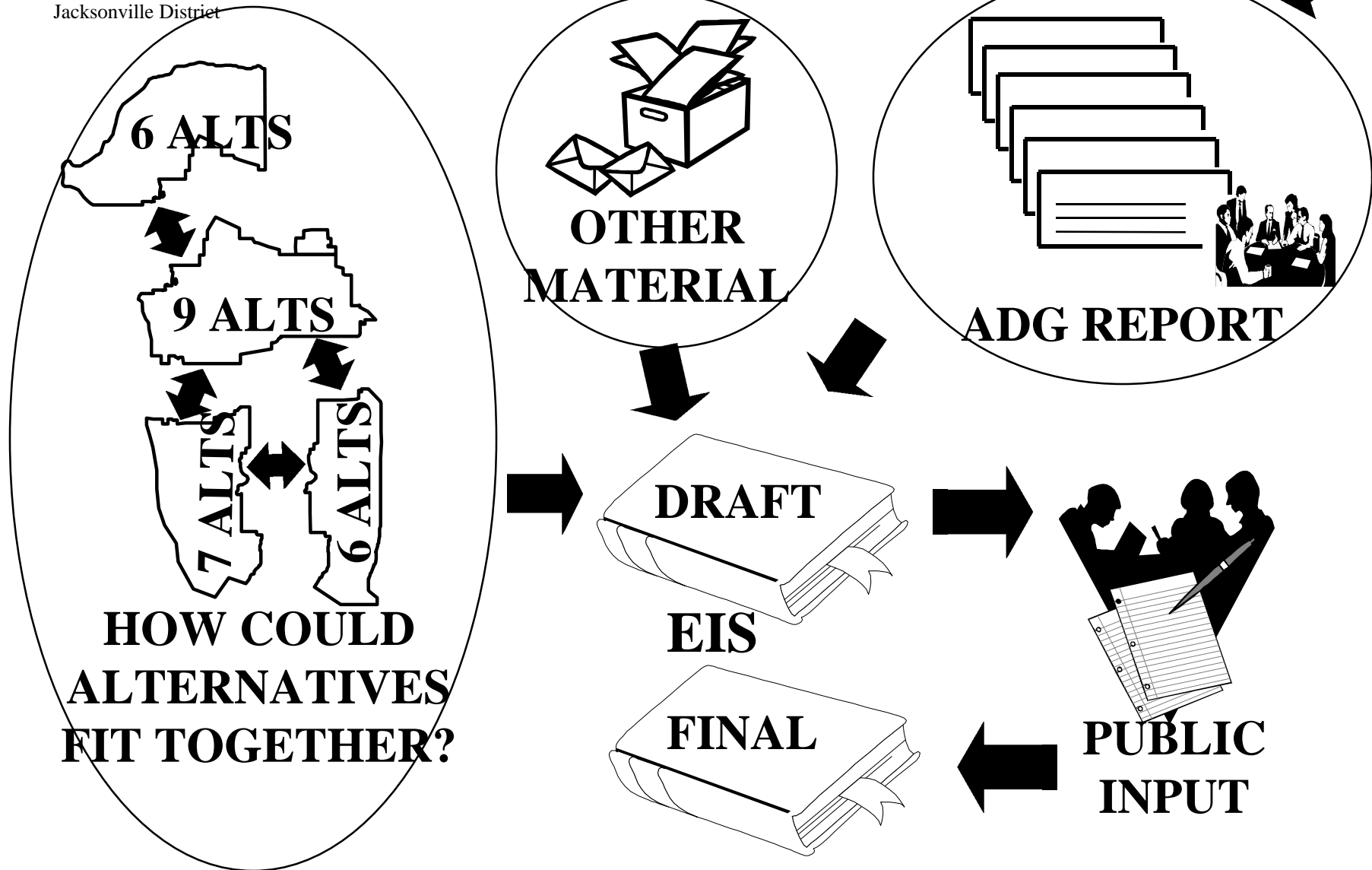


ADG MEET OCT 13-14 TO REVIEW/FINALIZE



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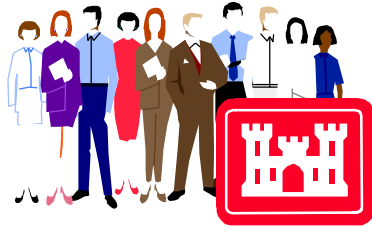
PREPARE EIS





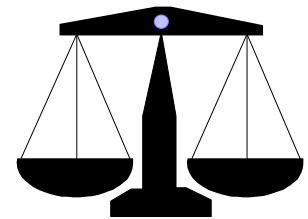
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EXPECTED RESULTS



**PUBLIC HAS SAME INFORMATION
AS CORPS IN DECISIONS**

**SATISFIES REQUIREMENTS TO
ADDRESS NEPA, CLEAN WATER ACT,
ENDANGERED SPECIES ACT**



ABBREVIATED PERMIT REVIEW PROCESS

BETTER UNDERSTANDING OF ISSUES





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QUESTIONS AND ANSWERS

